ABSTRACT

An isolation mechanism for electrically isolating a control input mechanism of an otherwise substantially conventional boomed apparatus (12), such as, for example, an aerial device, digger derrick, or crane, having a workstation (14) coupled with a movable boom (16), wherein the isolation mechanism allows a worker to control movement of the boom (16) and positioning of the work station (14) while protecting against electrical discharge along substantially any path which includes the control input mechanism. In a first embodiment, the isolation mechanism takes the form of an improved control input mechanism (10), portions of which are constructed of or covered with an electrically non-conducting material. In a second embodiment, the isolation mechanism takes the form of a boom extension (110) constructed of or covered with electrically non-conductive material. In a third embodiment, the improved control input mechanism (10) and the boom extension (110) are combined.